

G:\CKE Projects\CKE_R2514B Onslow Jones Co\Structures\Site 4\N-R2514B_SD_04_CBR_03.dgn
2/3/2015 7:09:38 PM CKE_R2514B_PDF_fullplotcgr2514B_str.tbl

NOTES

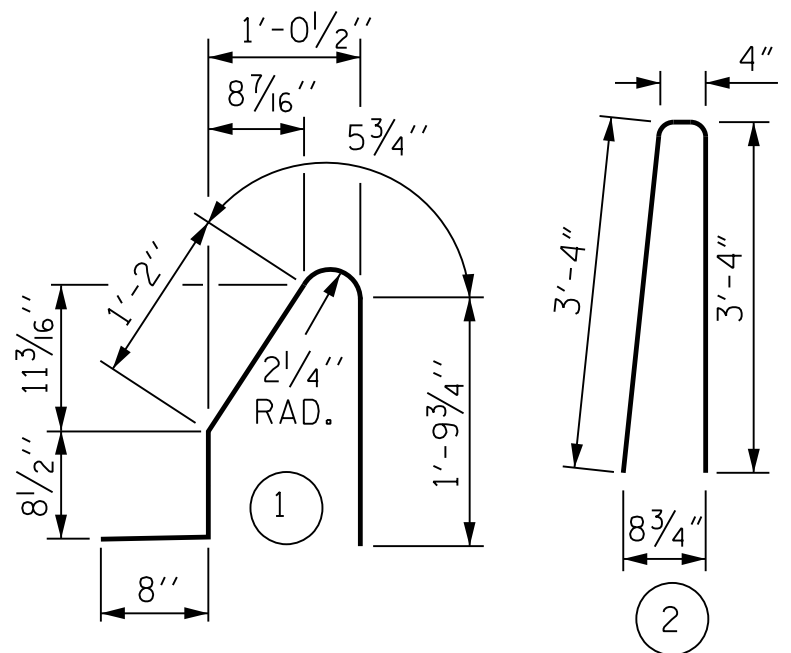
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

FOR BARRIER RAIL ON APPROACH SLABS SEE "BRIDGE APPROACH SLAB DETAILS" SHEET.

BAR TYPES



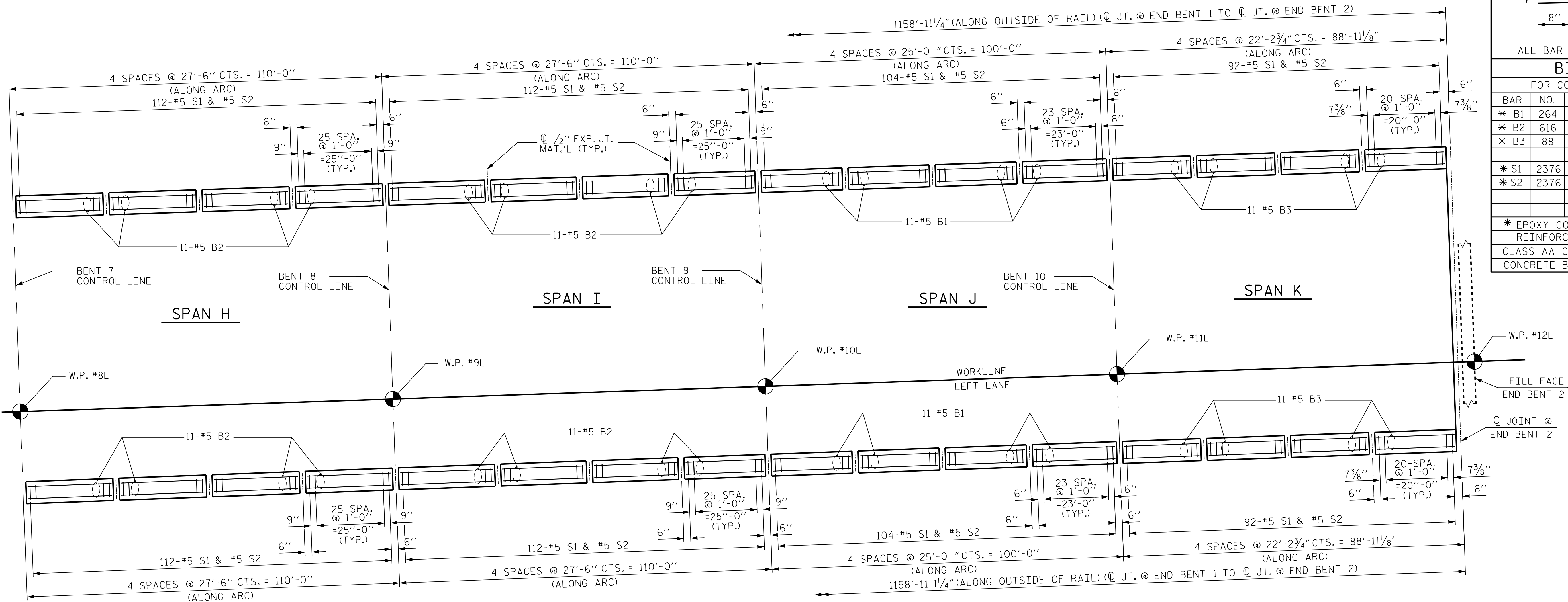
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

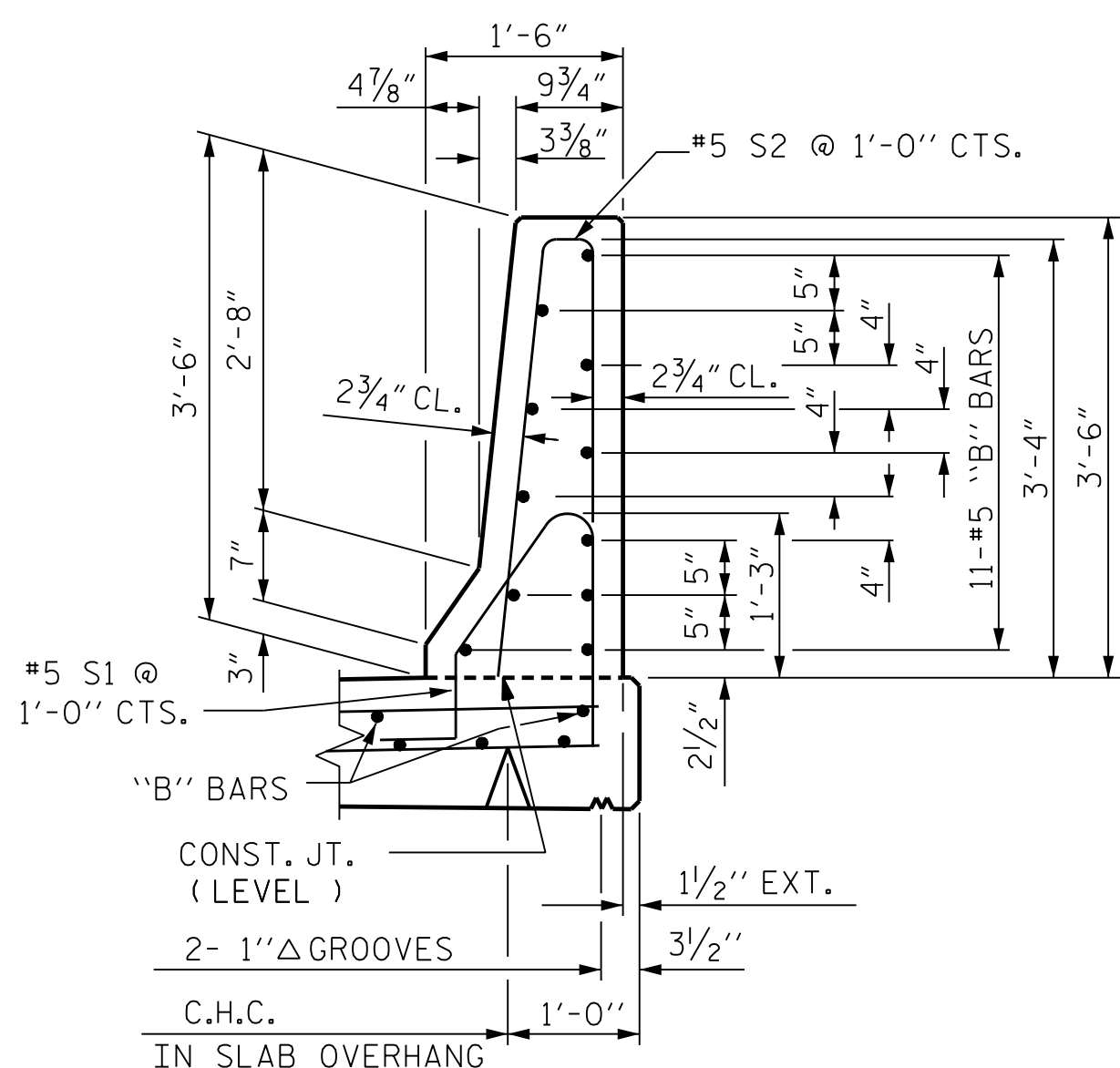
FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	264	#5	STR	24'-4"	6746
* B2	616	#5	STR	27'-0"	17347
* B3	88	#5	STR	21'-9"	1996
* S1	2376	#5	1	4'-10"	11978
* S2	2376	#5	2	7'-0"	17347

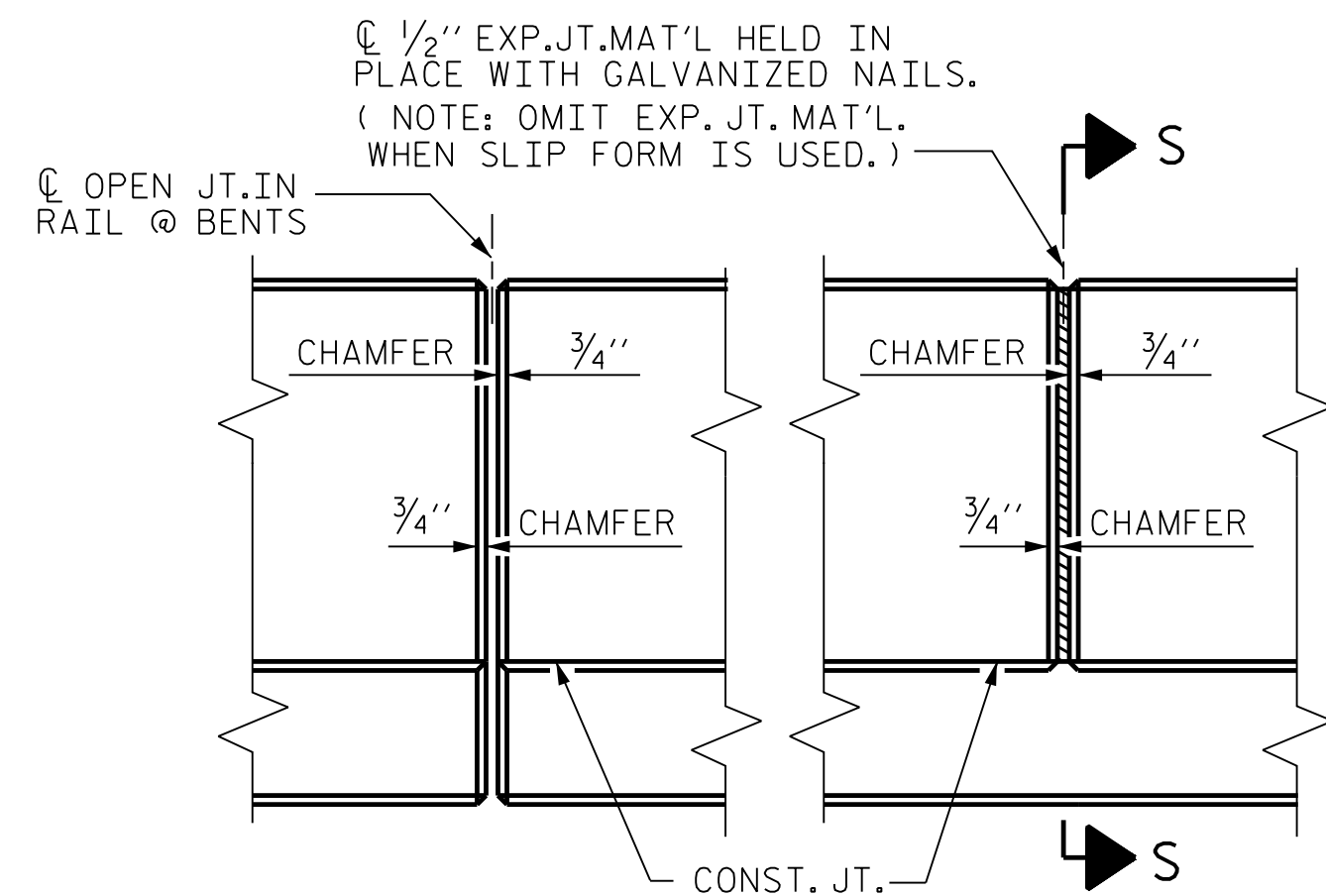
* EPOXY COATED
REINFORCING STEEL 55414 LBS.
CLASS AA CONCRETE 317.0 CU. YDS.
CONCRETE BARRIER RAIL 2317.9 LIN. FT.



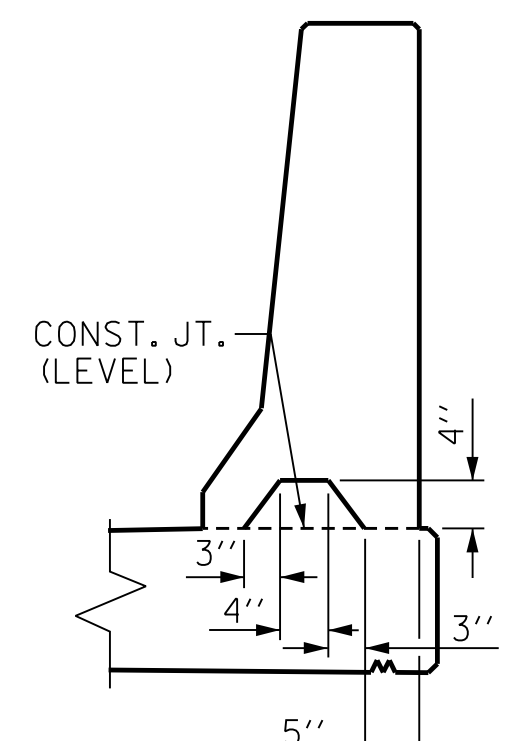
PLAN



SECTION THRU RAIL



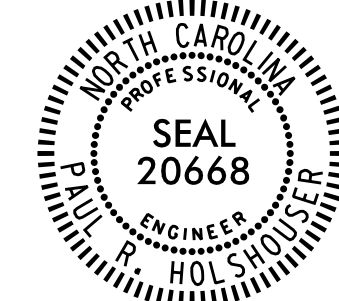
ELEVATION AT EXPANSION JOINTS BARRIER RAIL DETAILS



SECTION S-S AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

PROJECT NO. R-2514B
ON SLOW/JONES COUNTY
STATION: 173+54.46 -L-

SHEET 3 OF 3



DocuSigned by
Paul R. Holsouser
1C5F9484FEC444D... 2/3/2015



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NC COA No. F-0840

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
CONCRETE
BARRIER RAIL
(LEFT LANE)

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.

S4-38

TOTAL SHEETS

75

STD. NO. CBR1 STR. #4